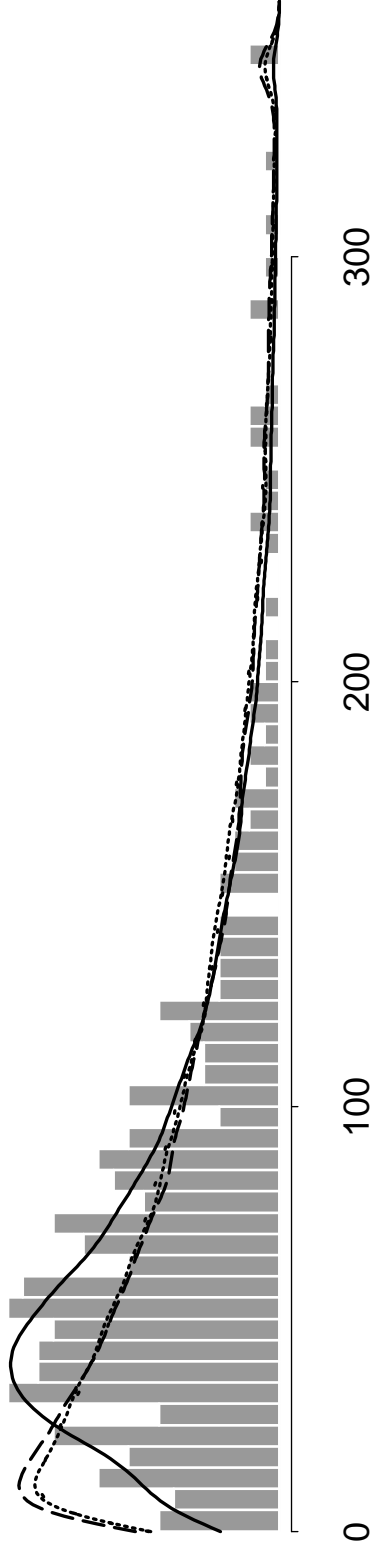
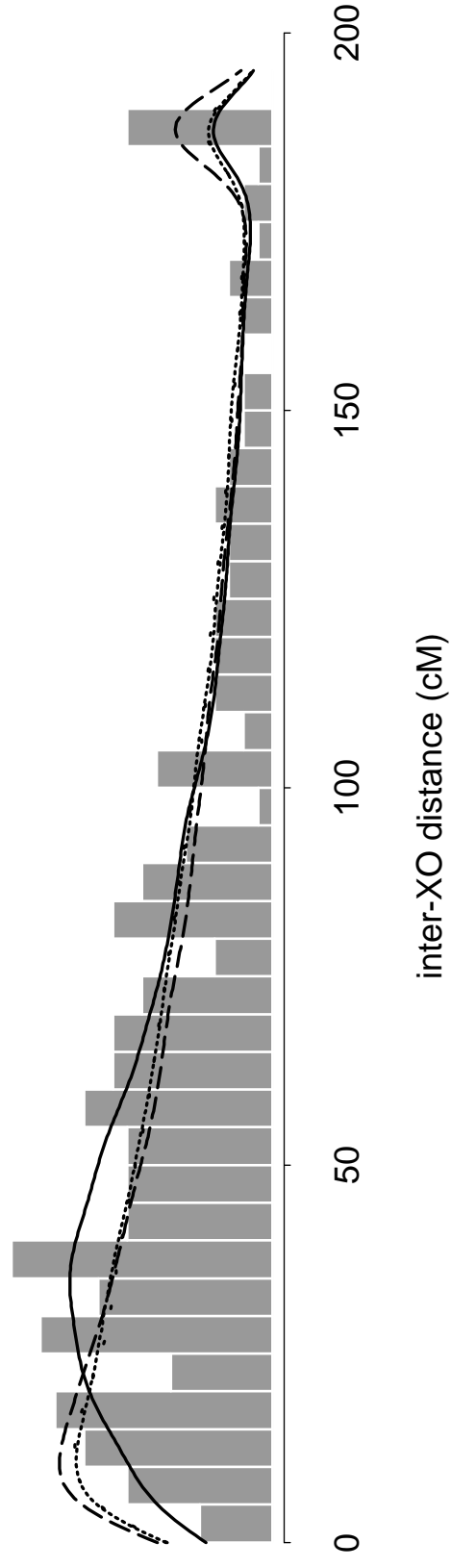


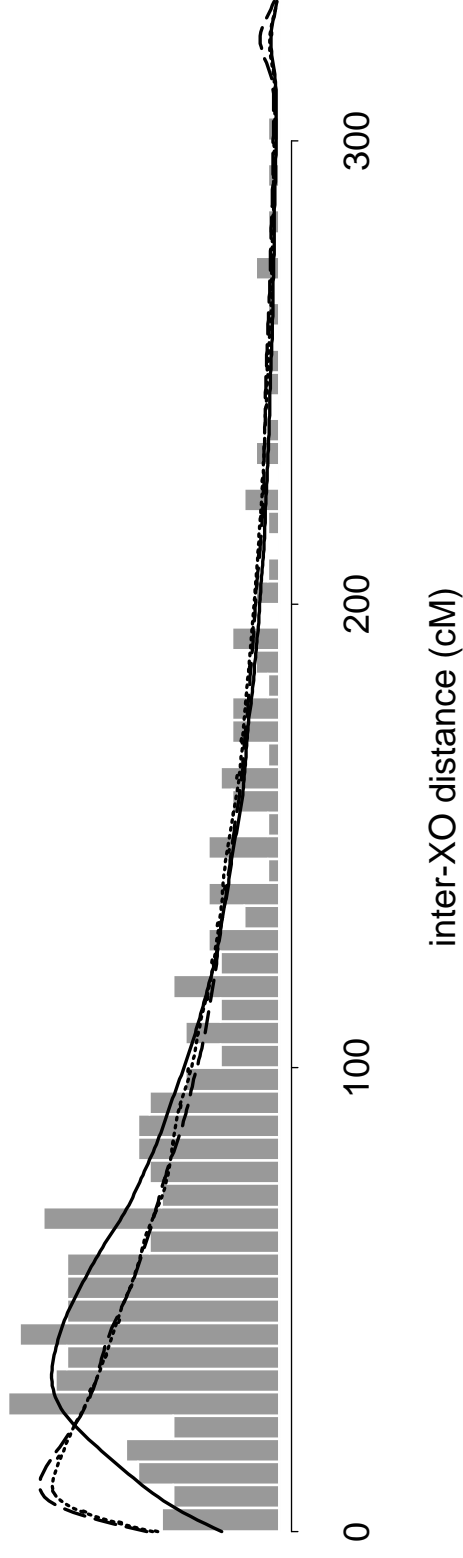
# maternal chromosome 1



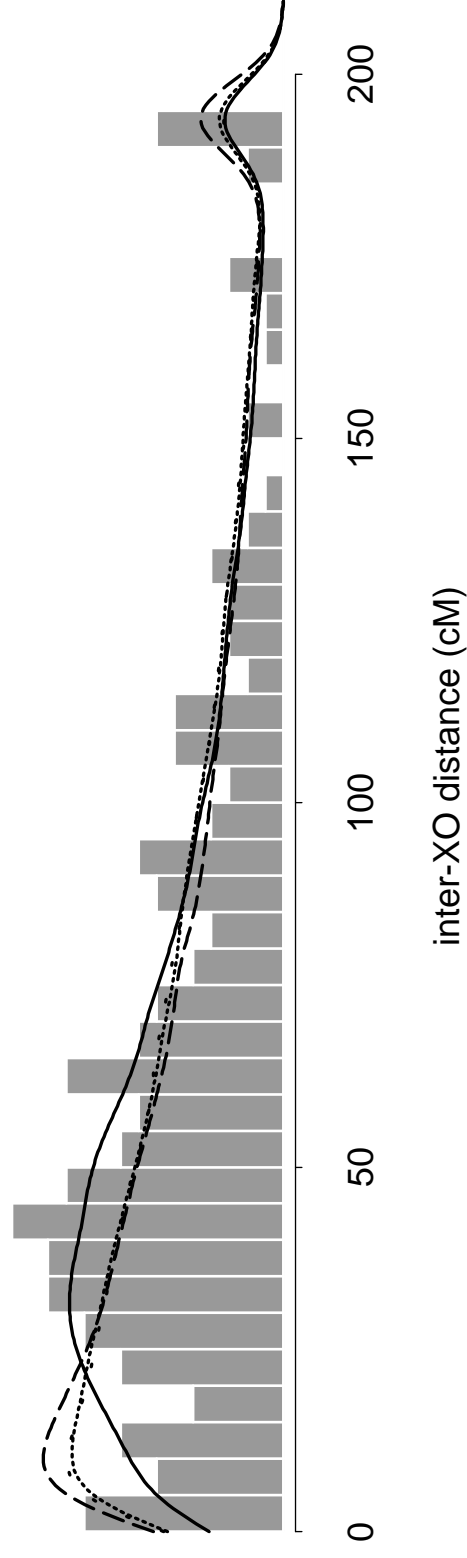
# paternal chromosome 1



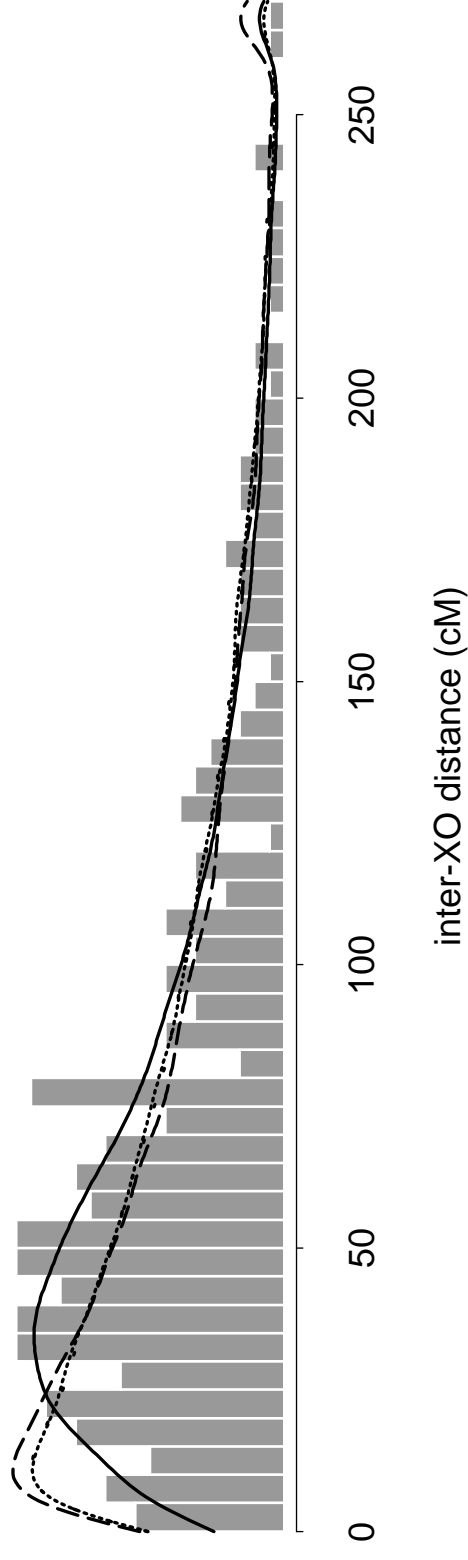
## maternal chromosome 2



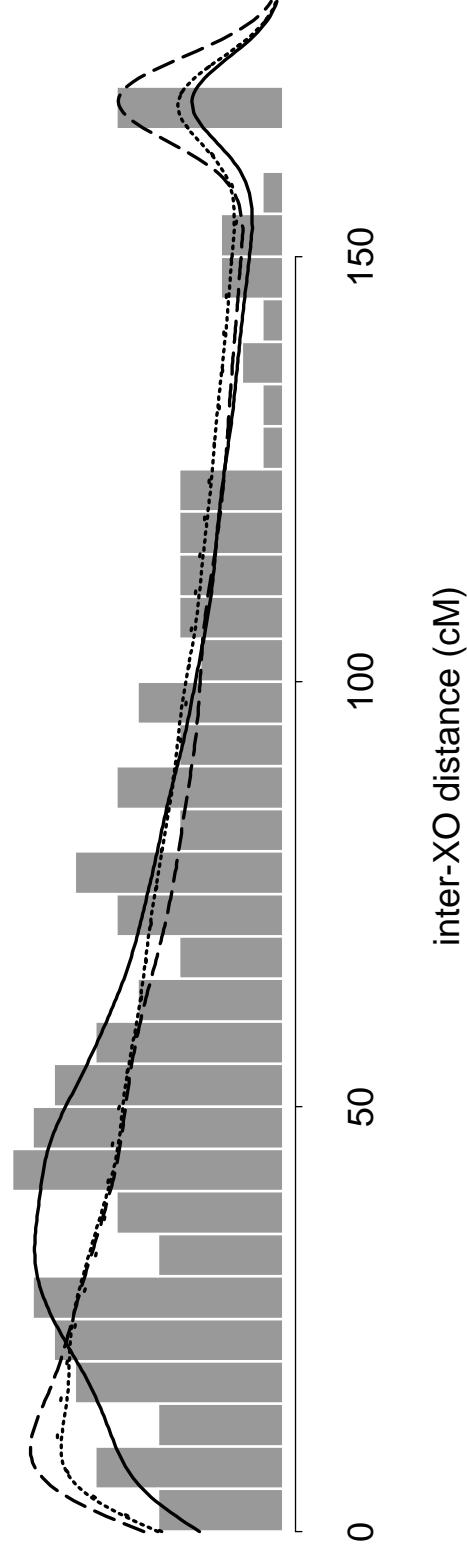
## paternal chromosome 2



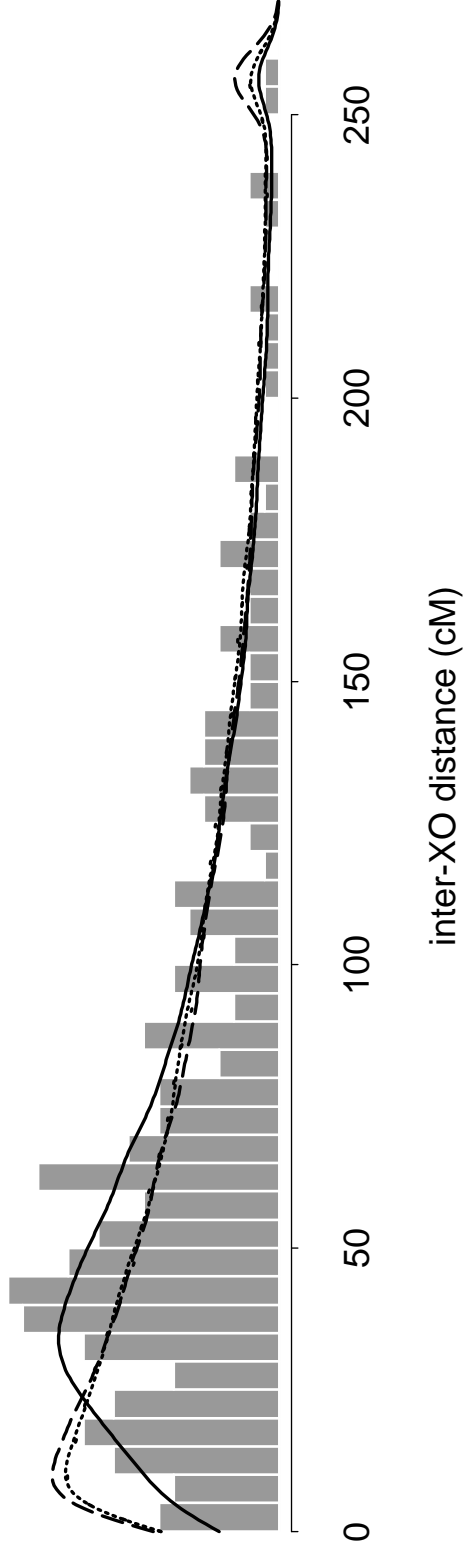
### maternal chromosome 3



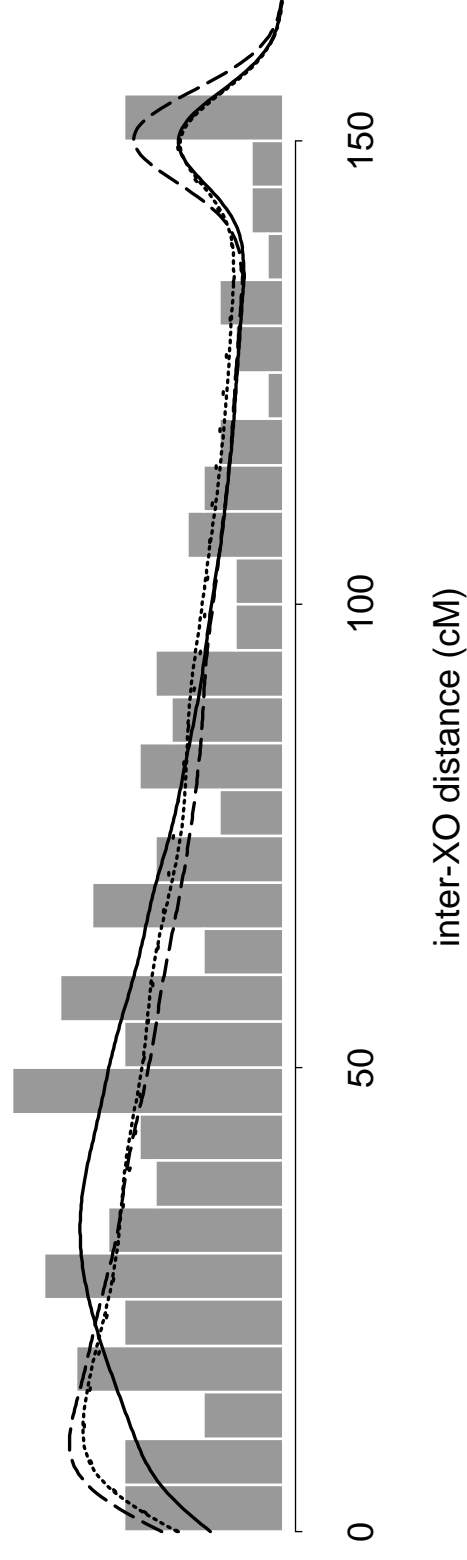
### paternal chromosome 3



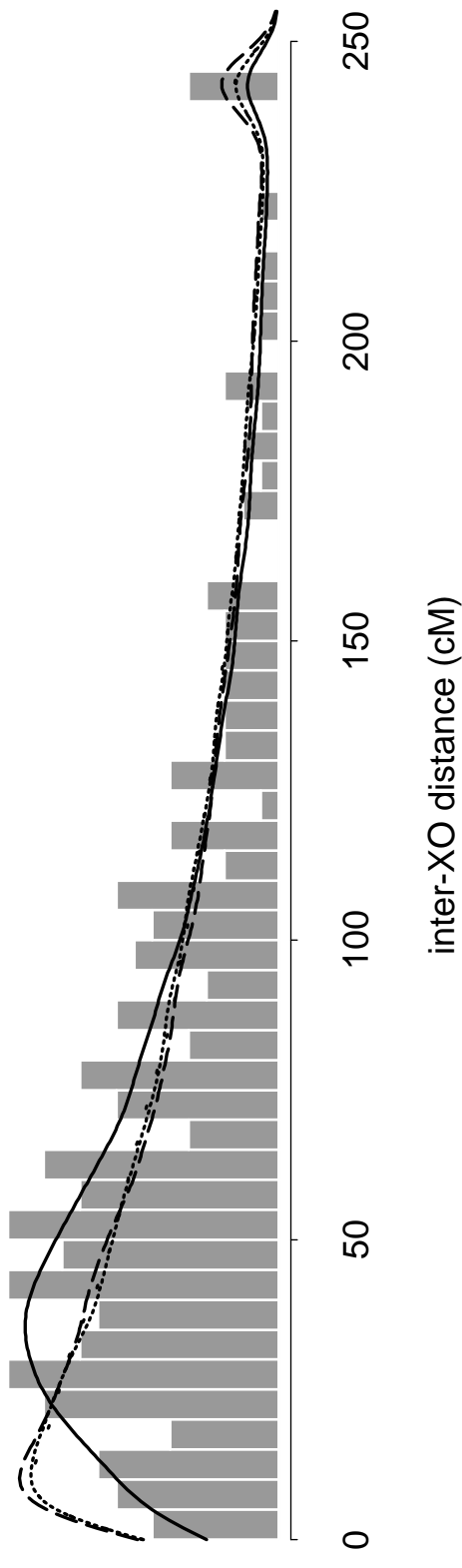
## maternal chromosome 4



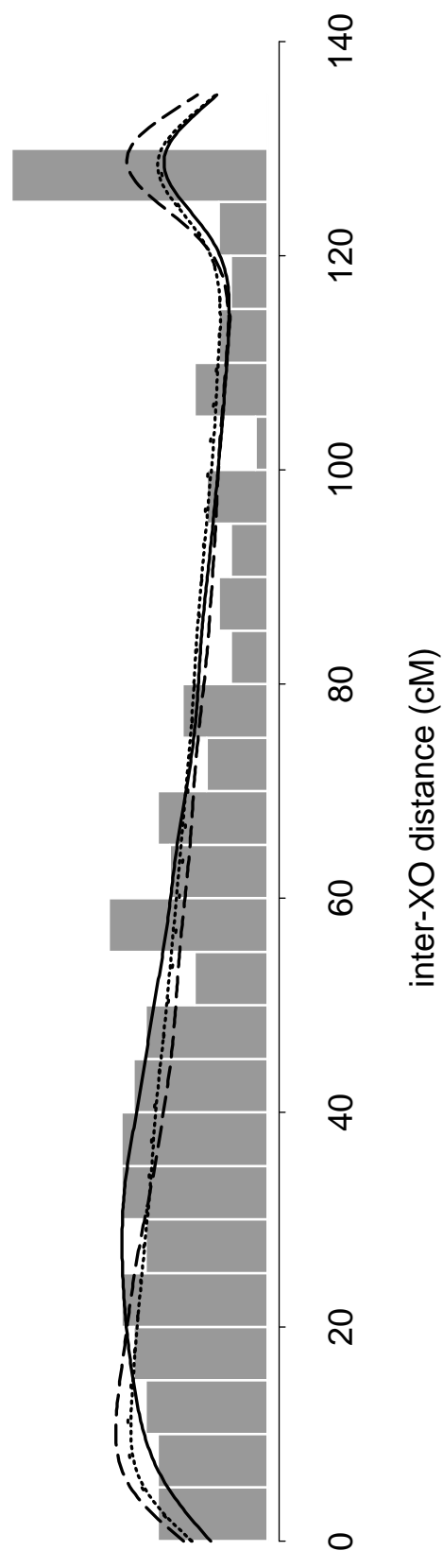
## paternal chromosome 4



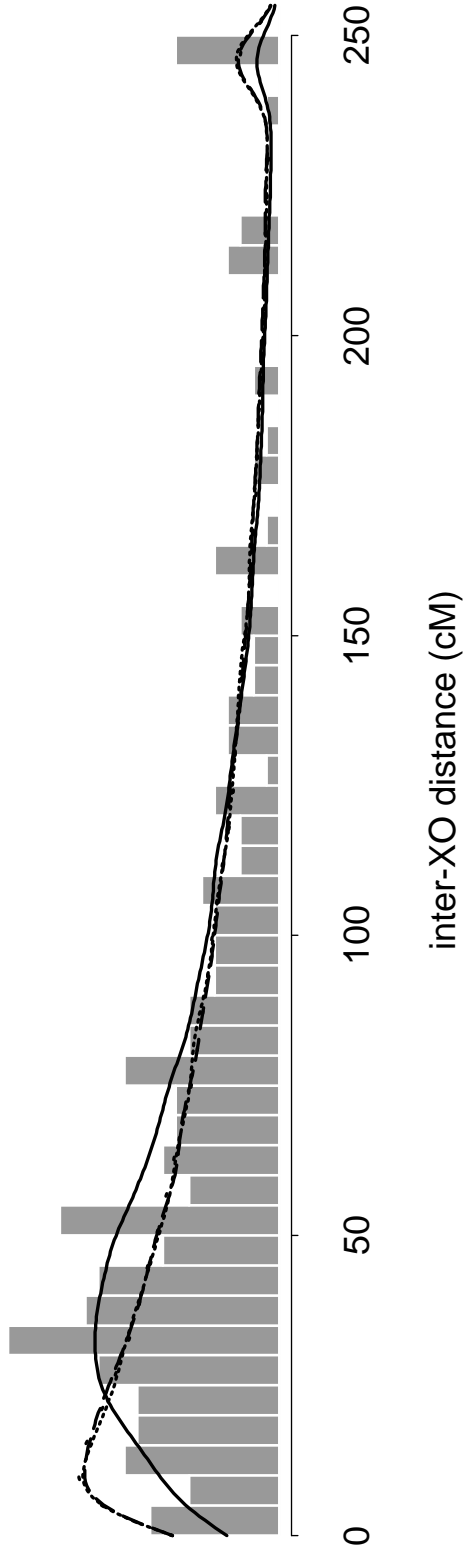
# maternal chromosome 5



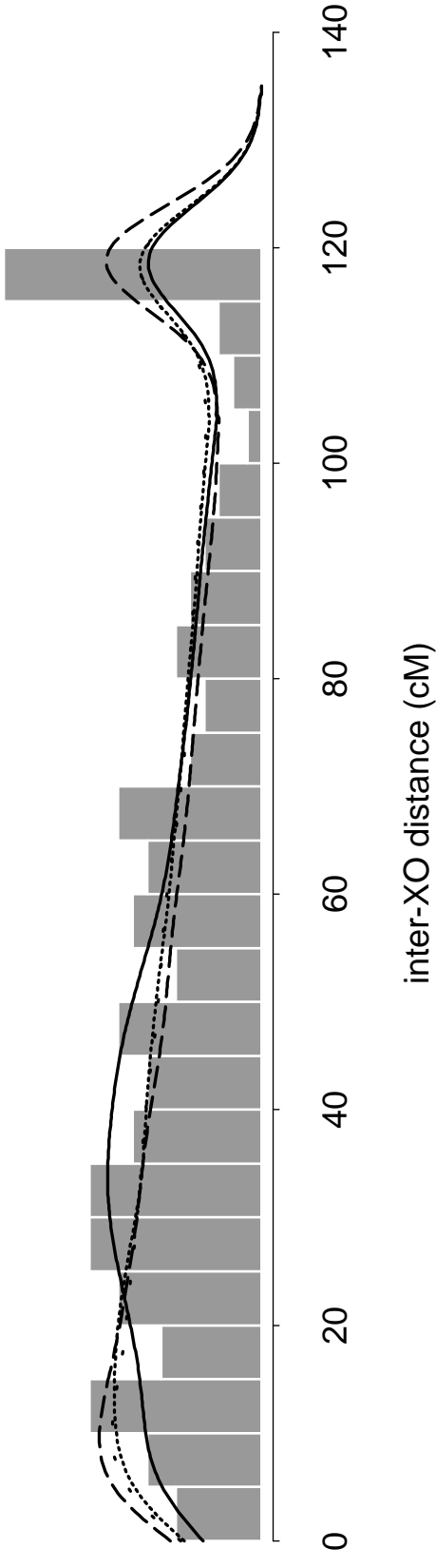
# paternal chromosome 5



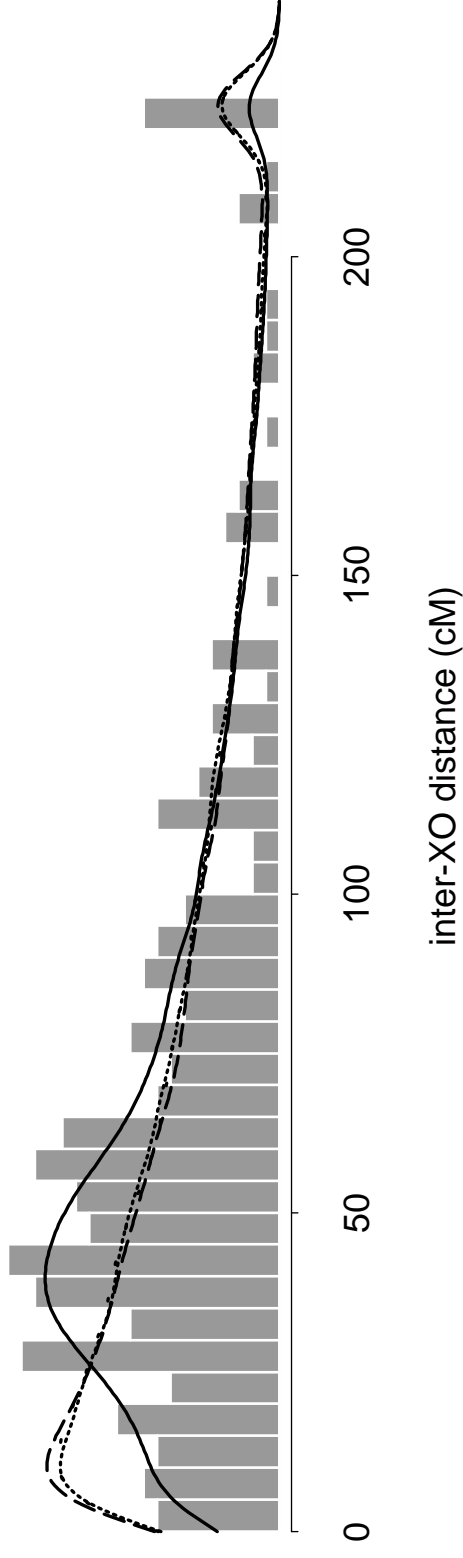
# maternal chromosome 6



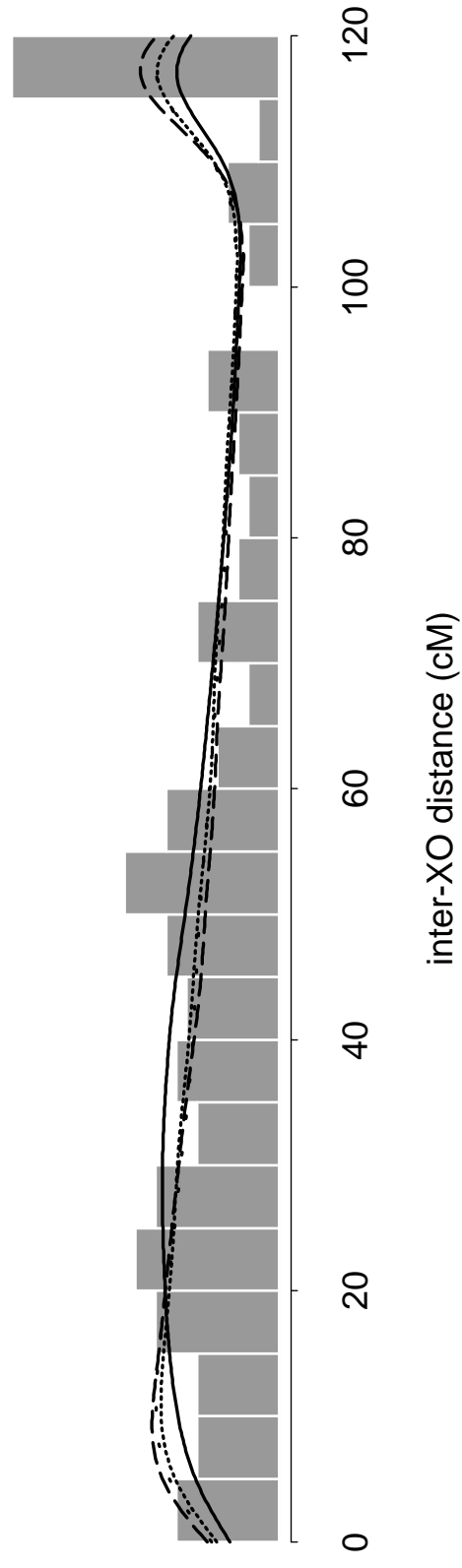
# paternal chromosome 6



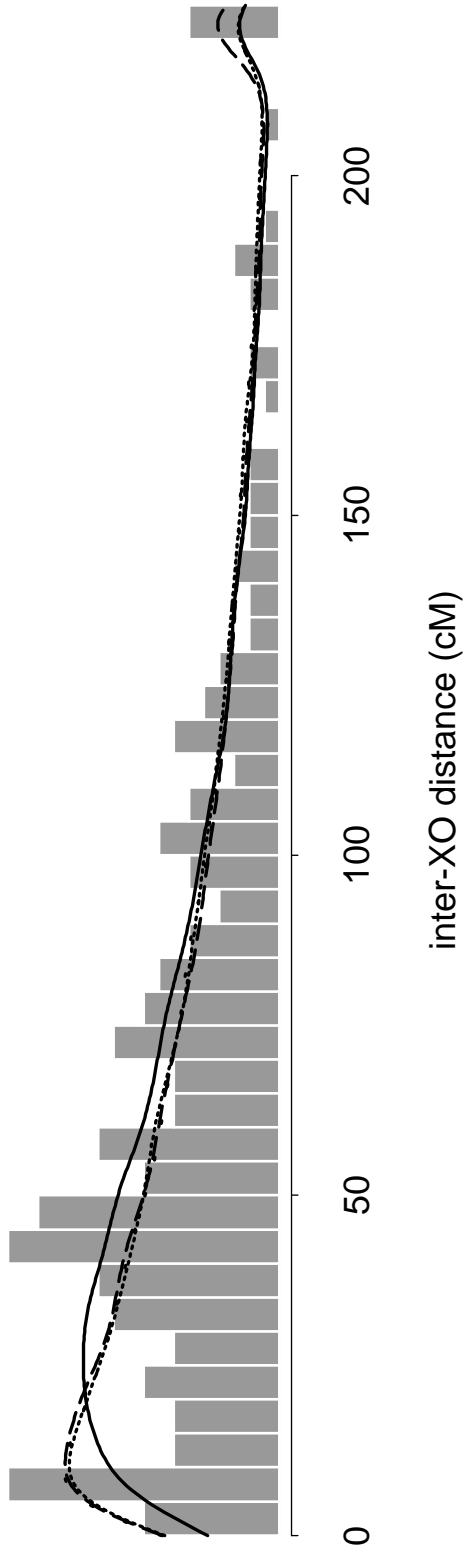
# maternal chromosome 7



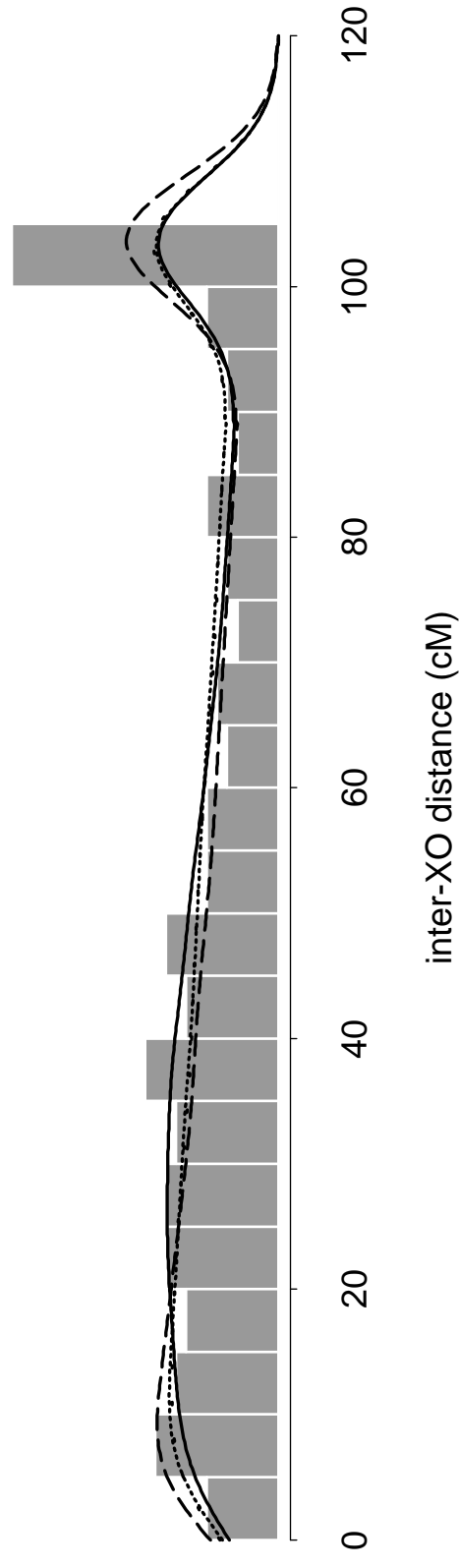
# paternal chromosome 7



# maternal chromosome 8

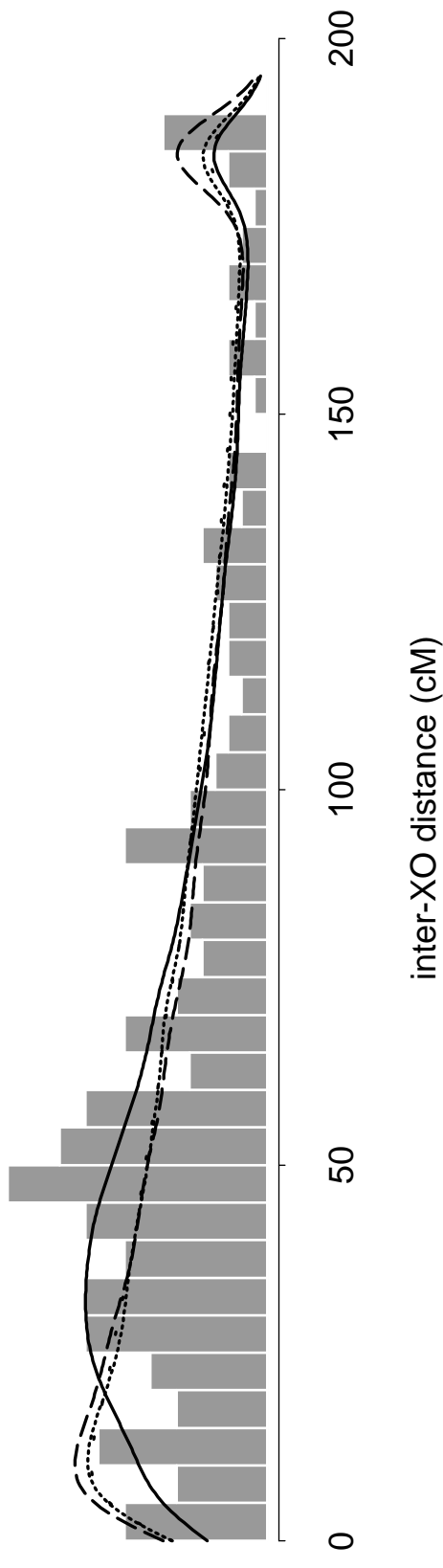


# paternal chromosome 8

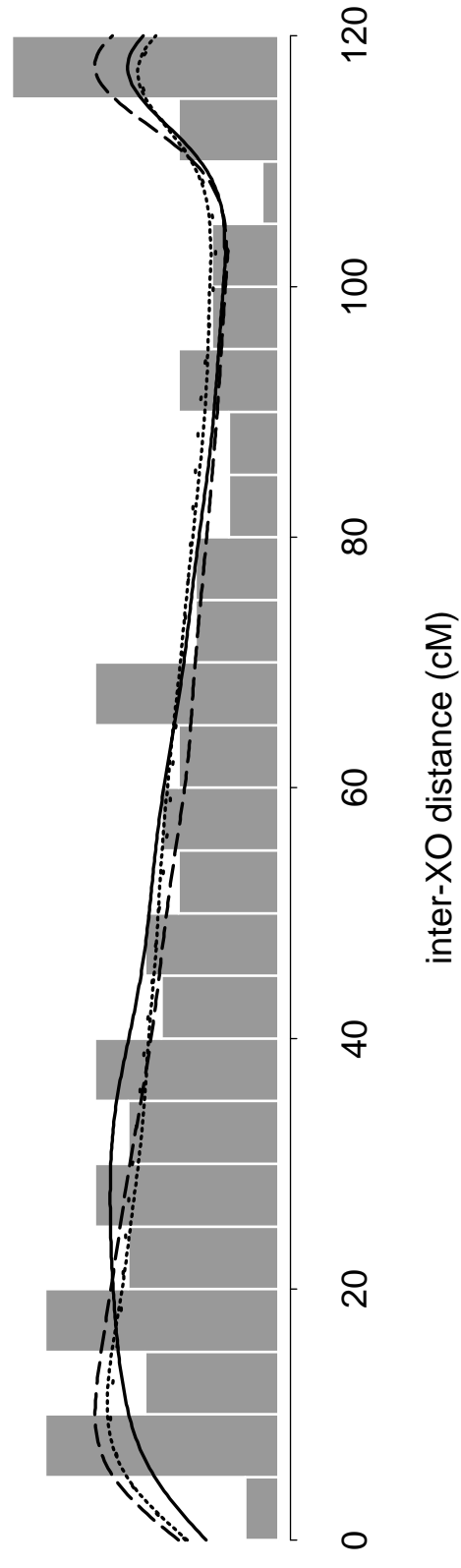




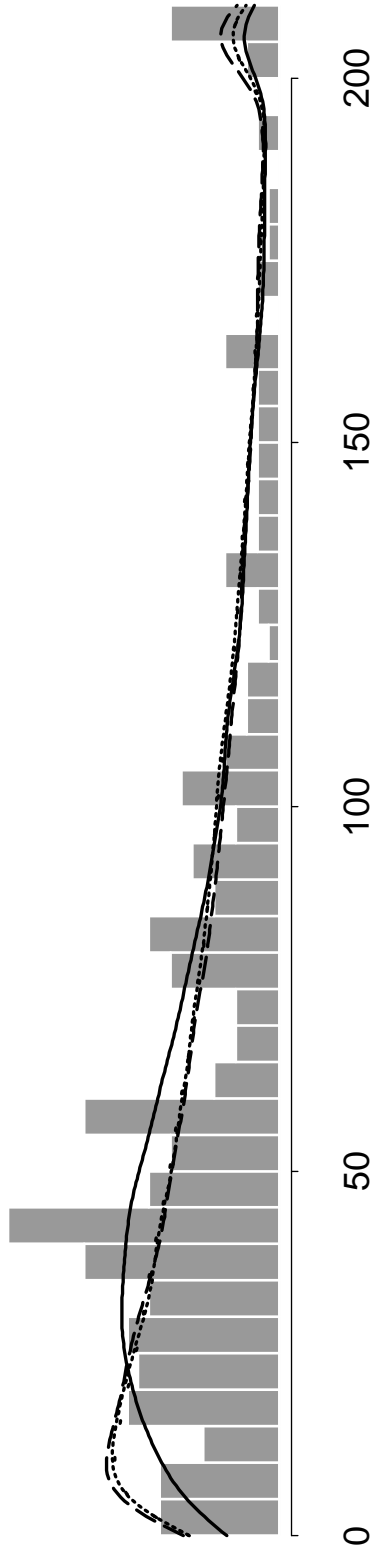
# maternal chromosome 9



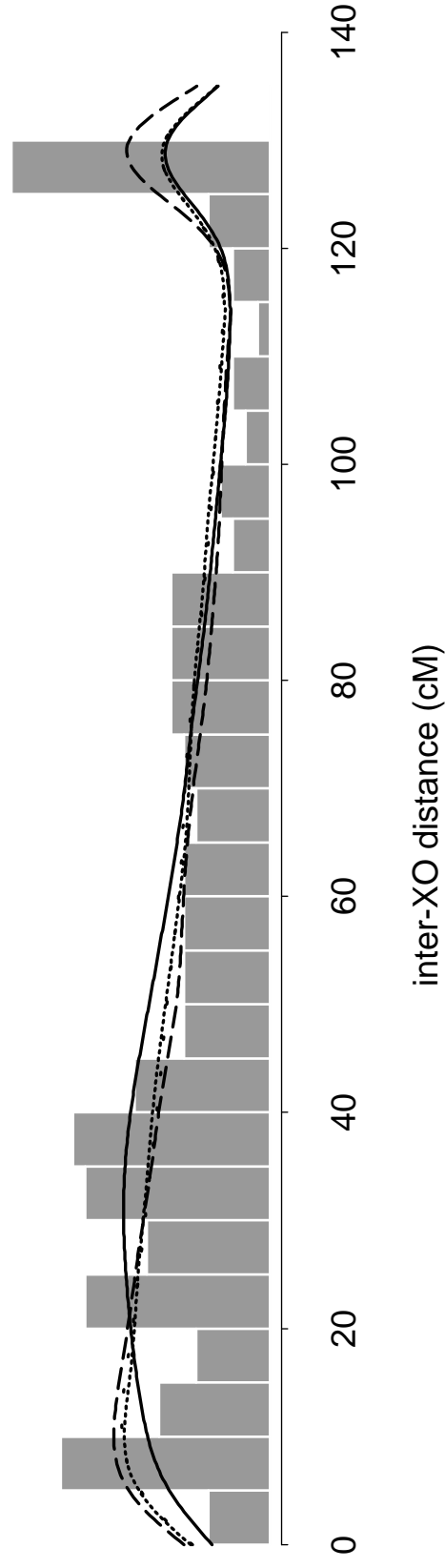
# paternal chromosome 9



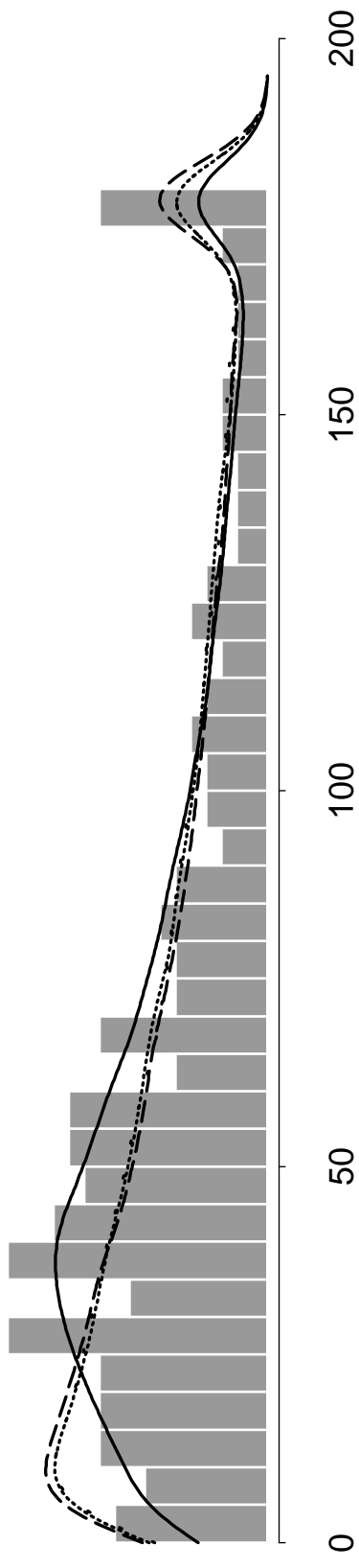
# maternal chromosome 10



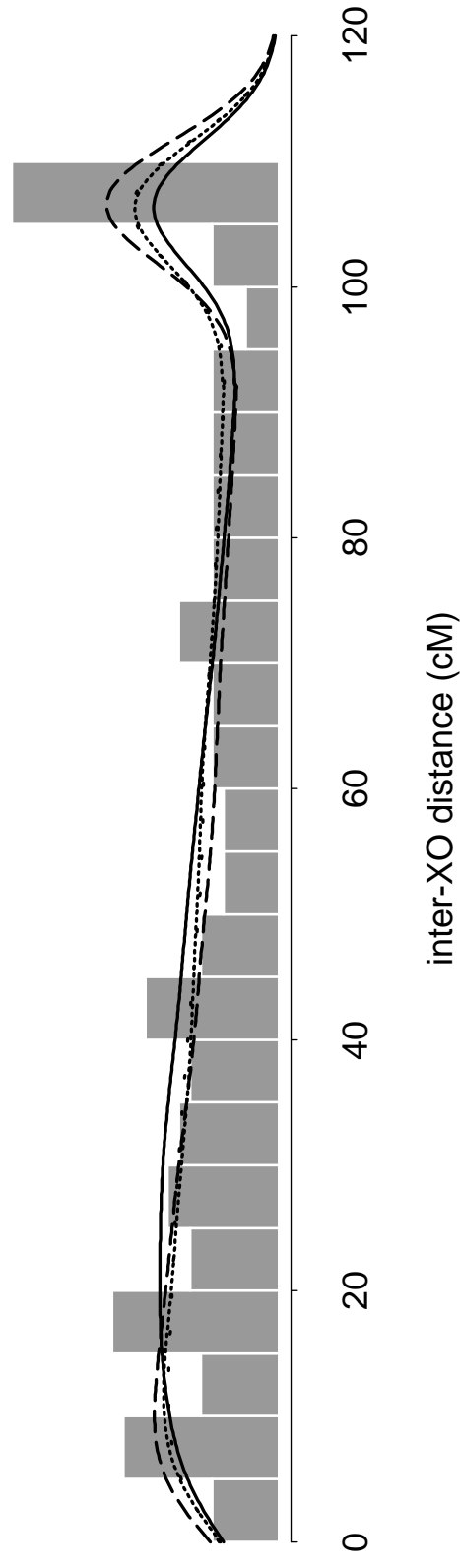
# paternal chromosome 10



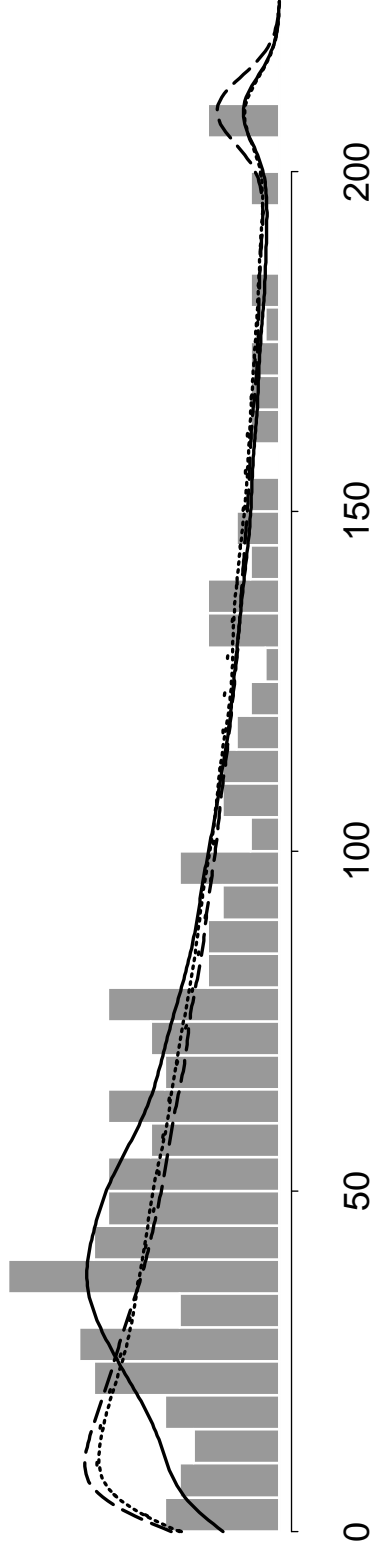
# maternal chromosome 11



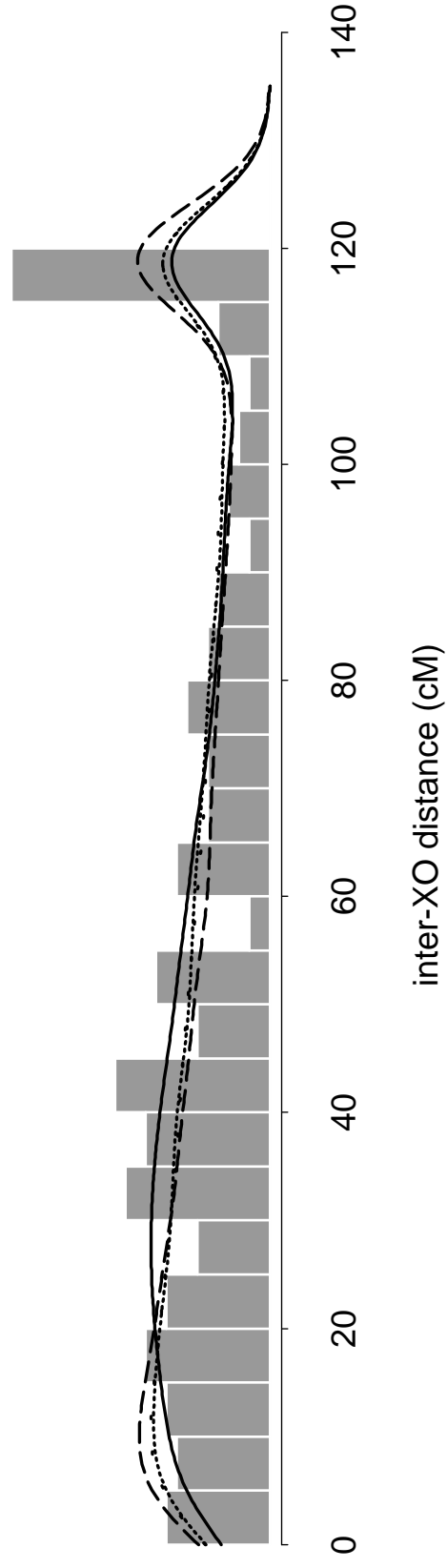
# paternal chromosome 11



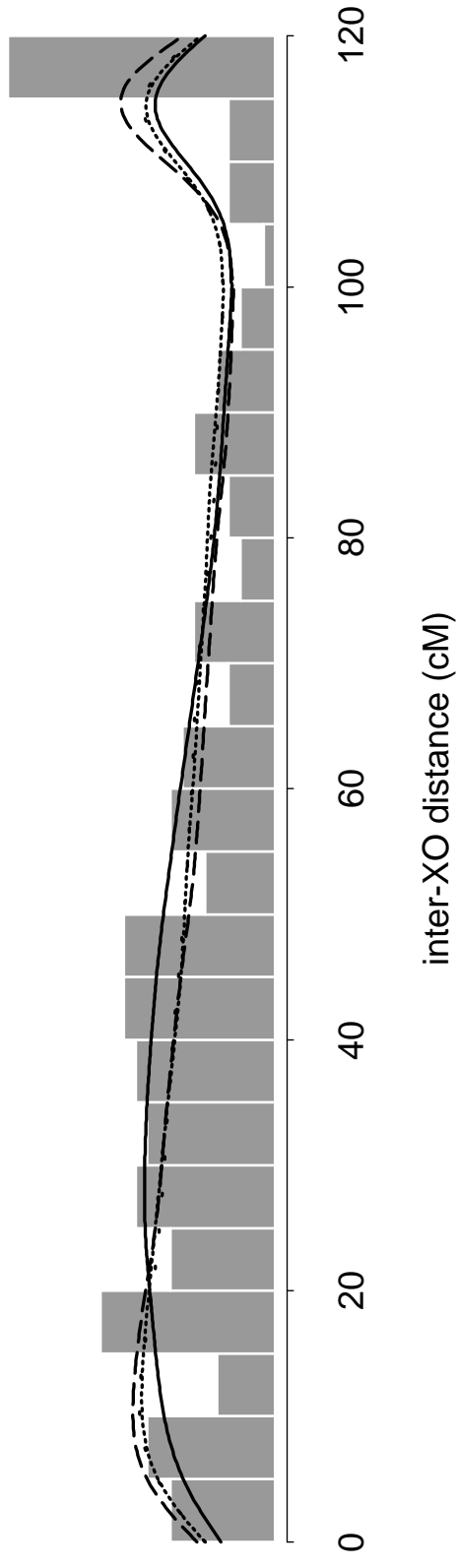
# maternal chromosome 12



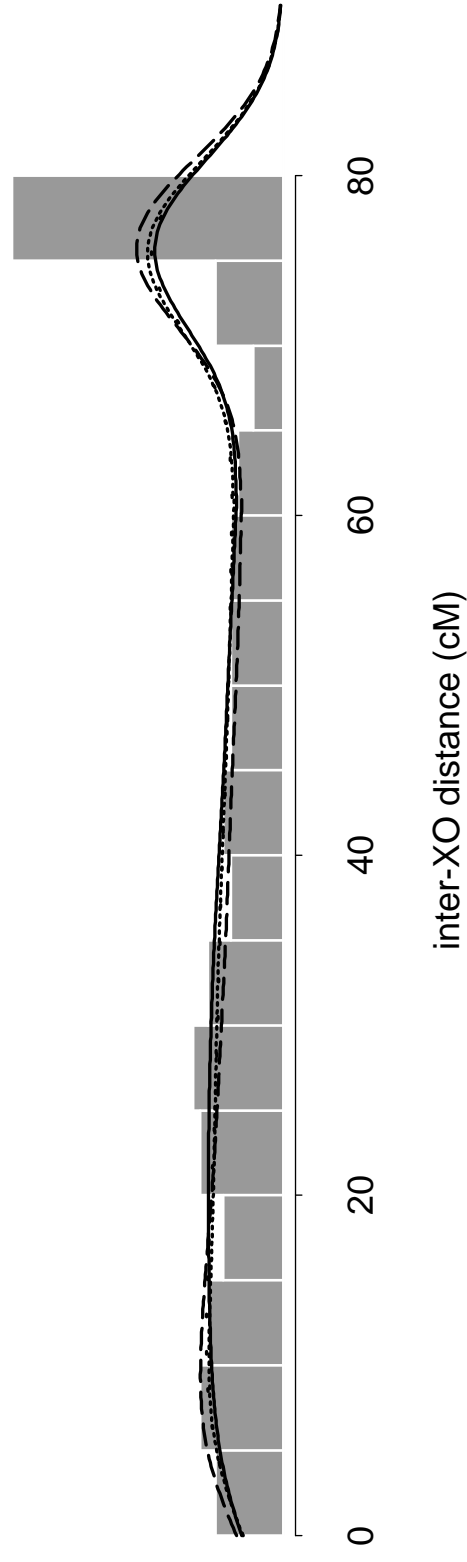
# paternal chromosome 12



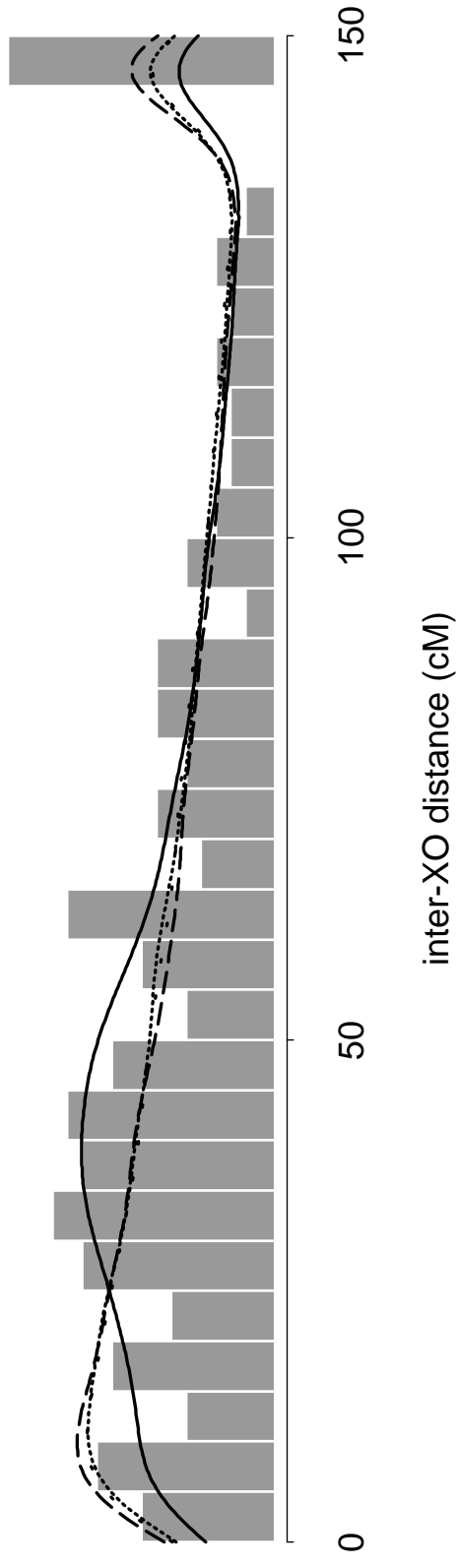
# maternal chromosome 13



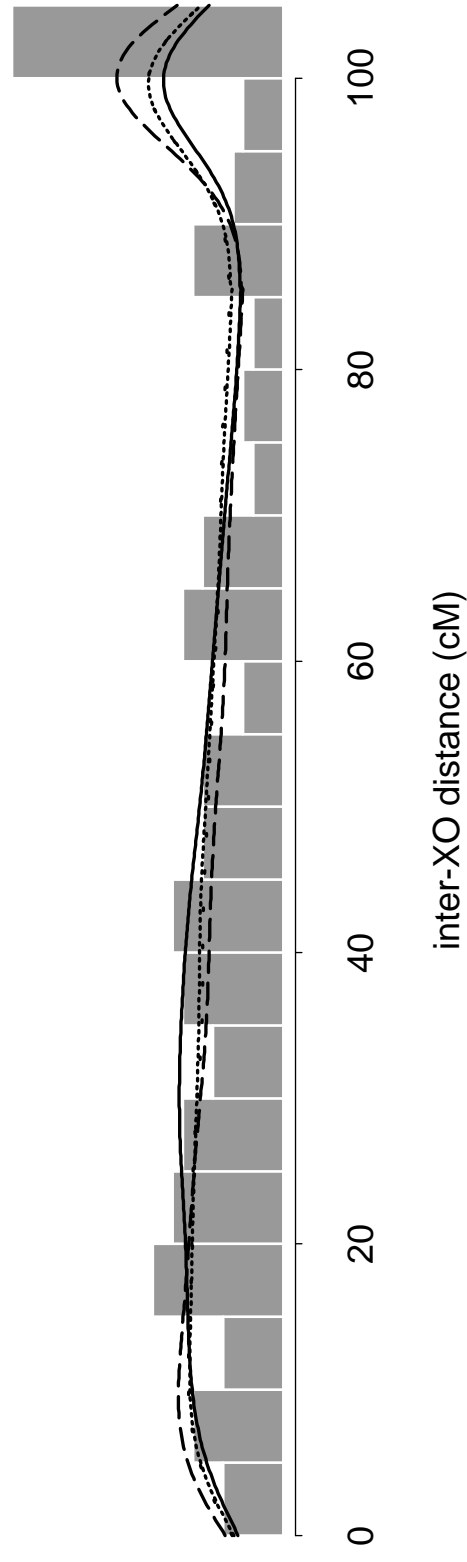
# paternal chromosome 13



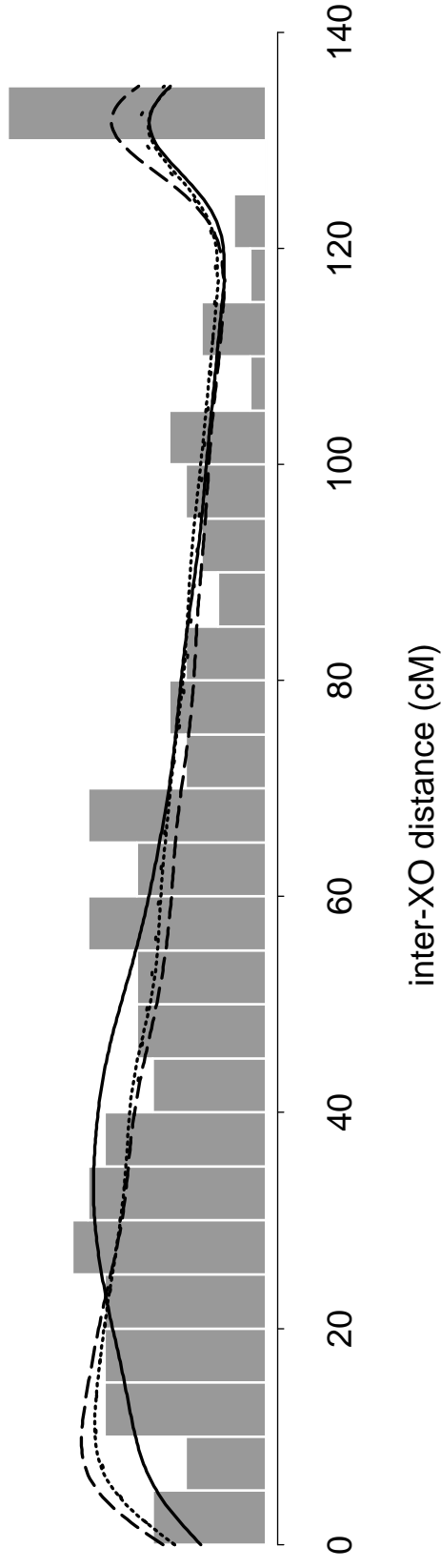
# maternal chromosome 14



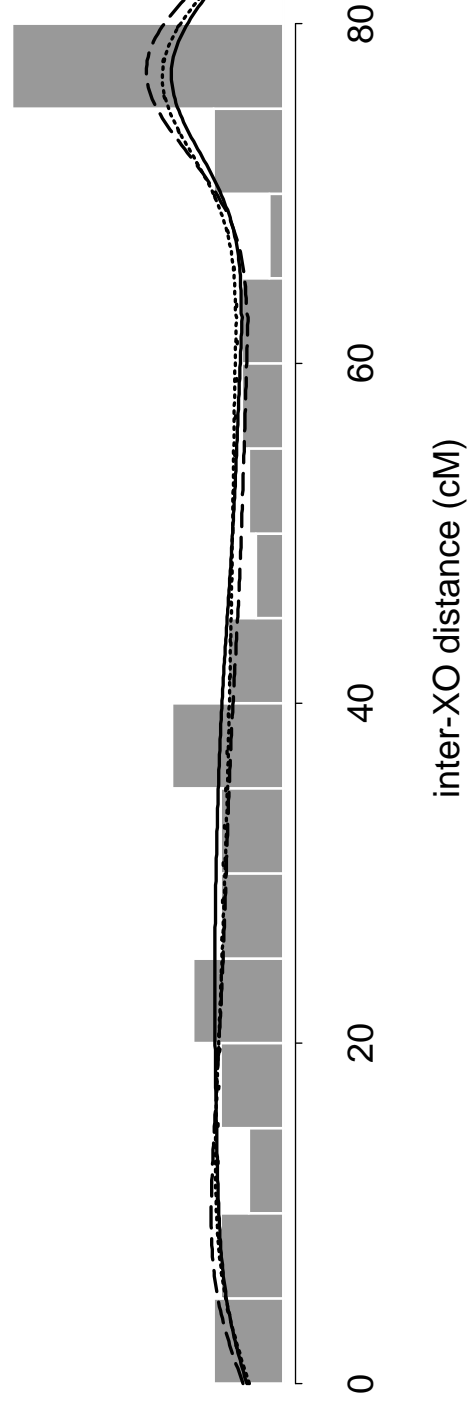
# paternal chromosome 14



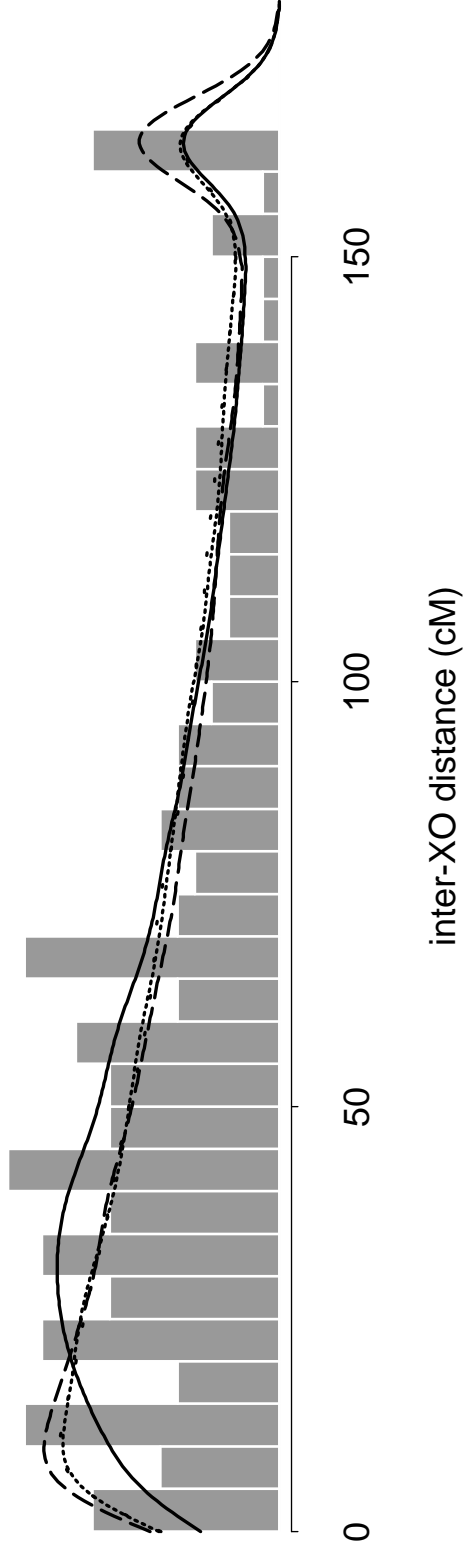
# maternal chromosome 15



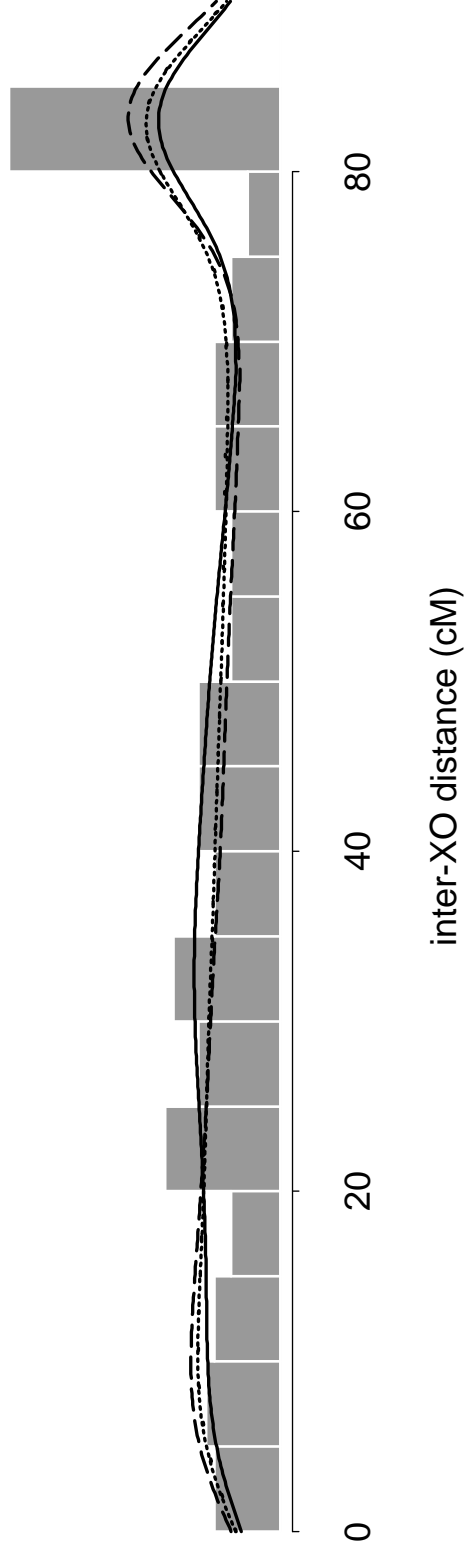
# paternal chromosome 15



# maternal chromosome 16

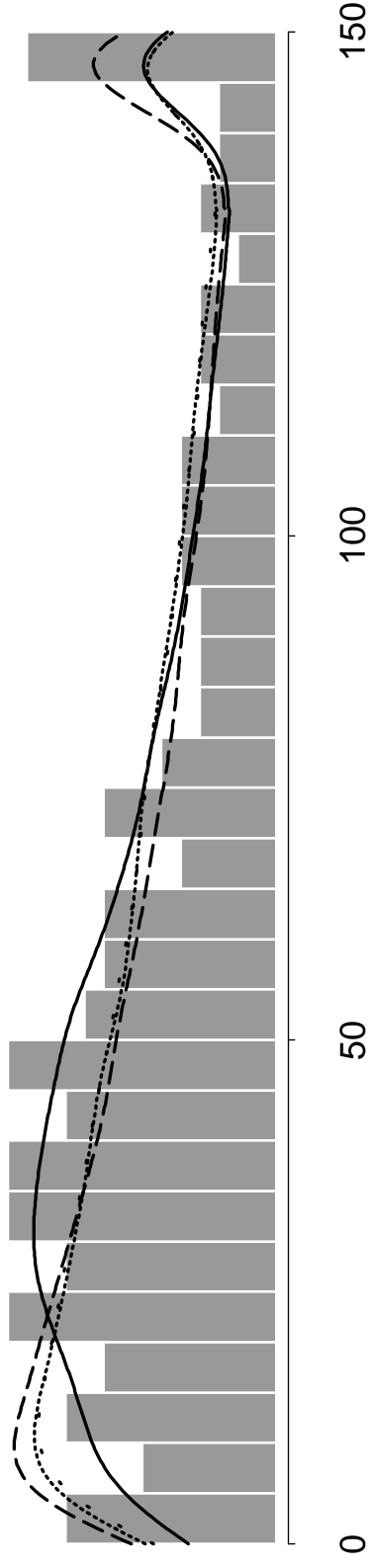


# paternal chromosome 16



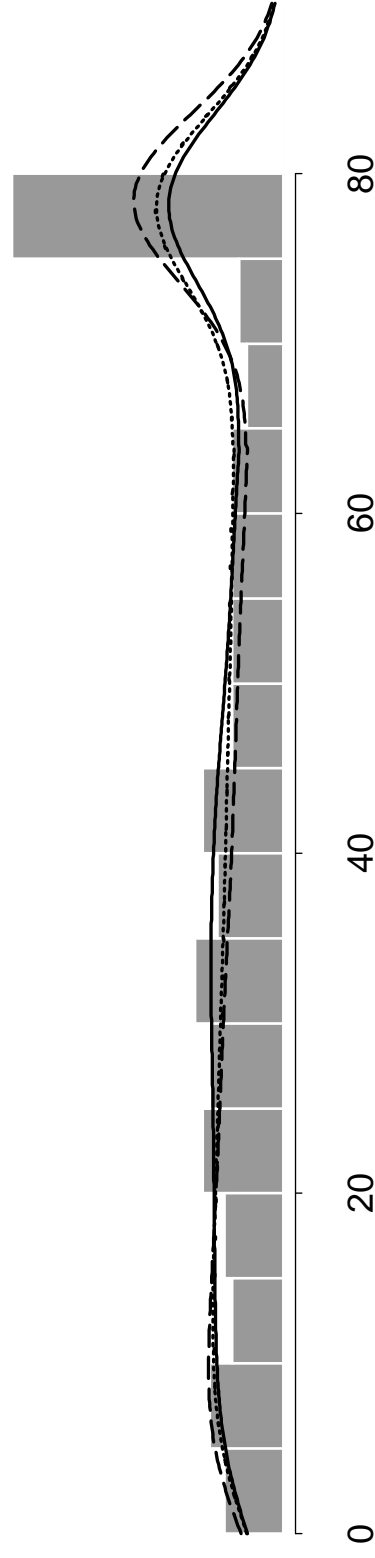


# maternal chromosome 17



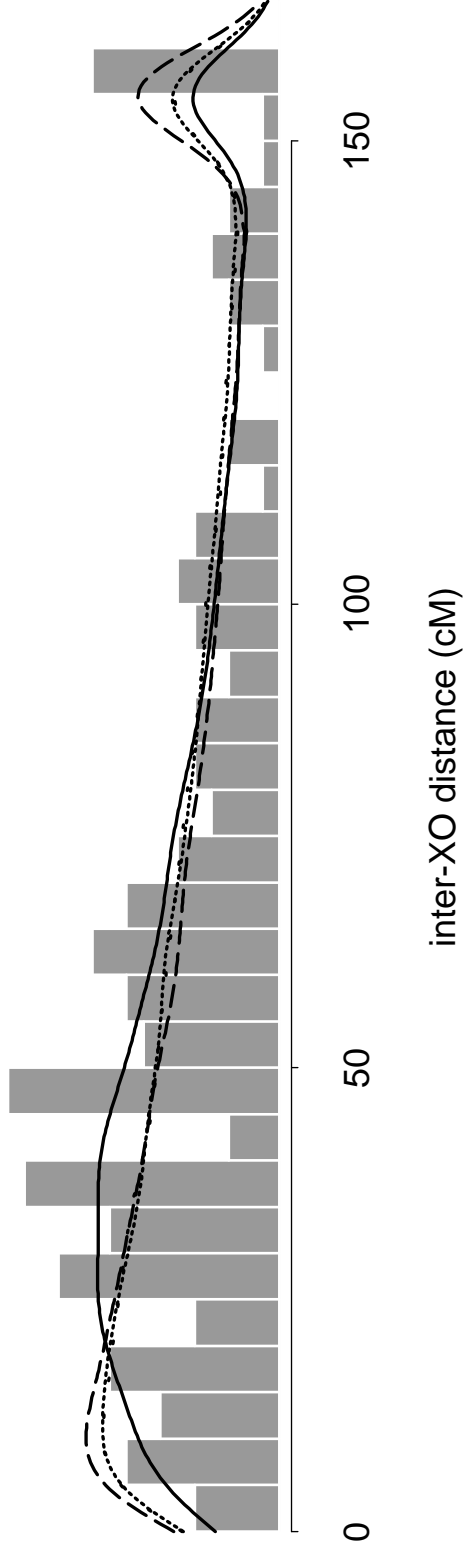
inter-XO distance (cM)

# paternal chromosome 17

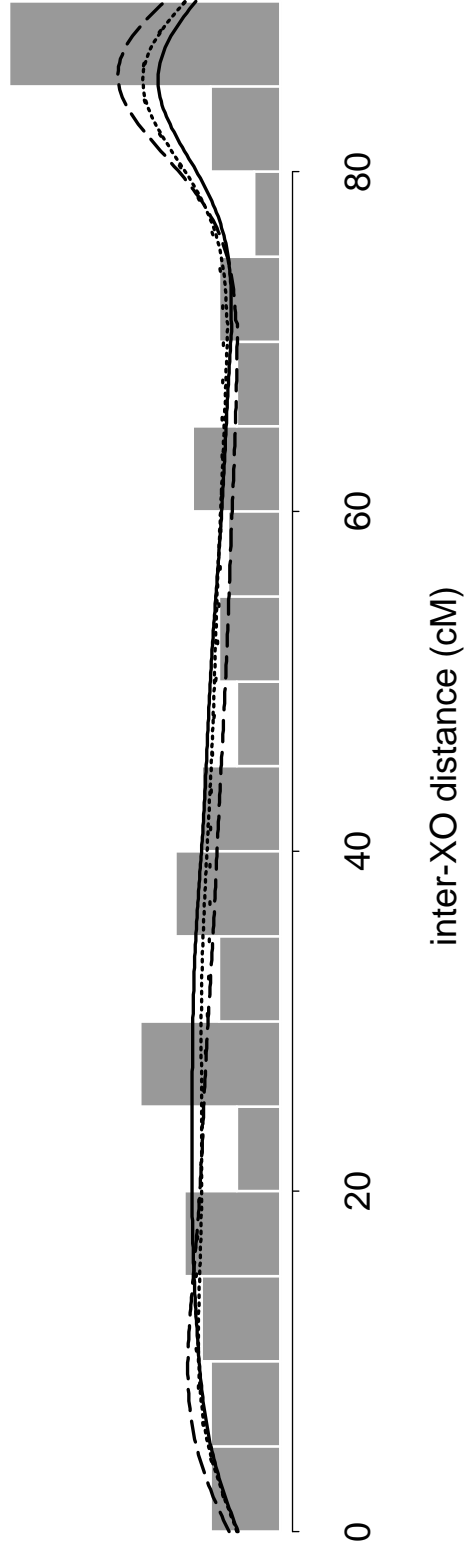


inter-XO distance (cM)

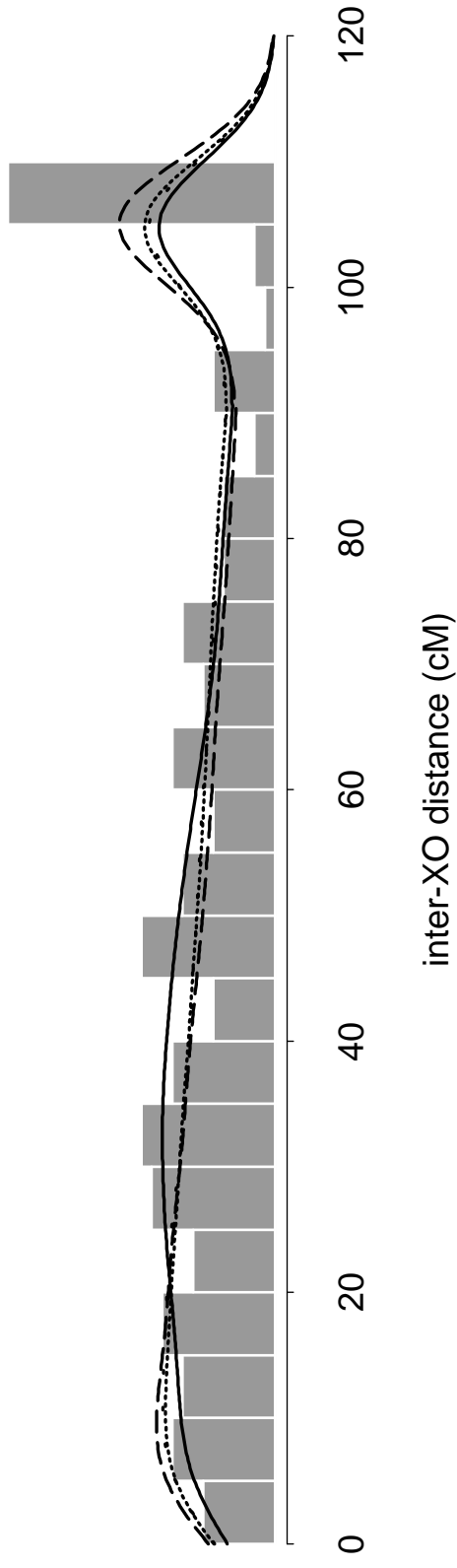
# maternal chromosome 18



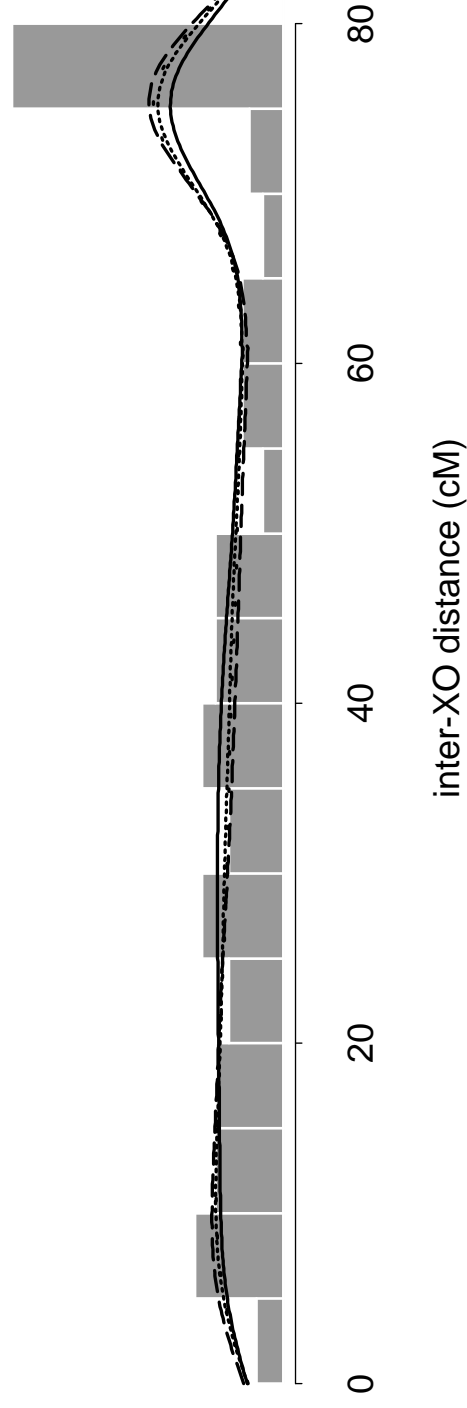
# paternal chromosome 18



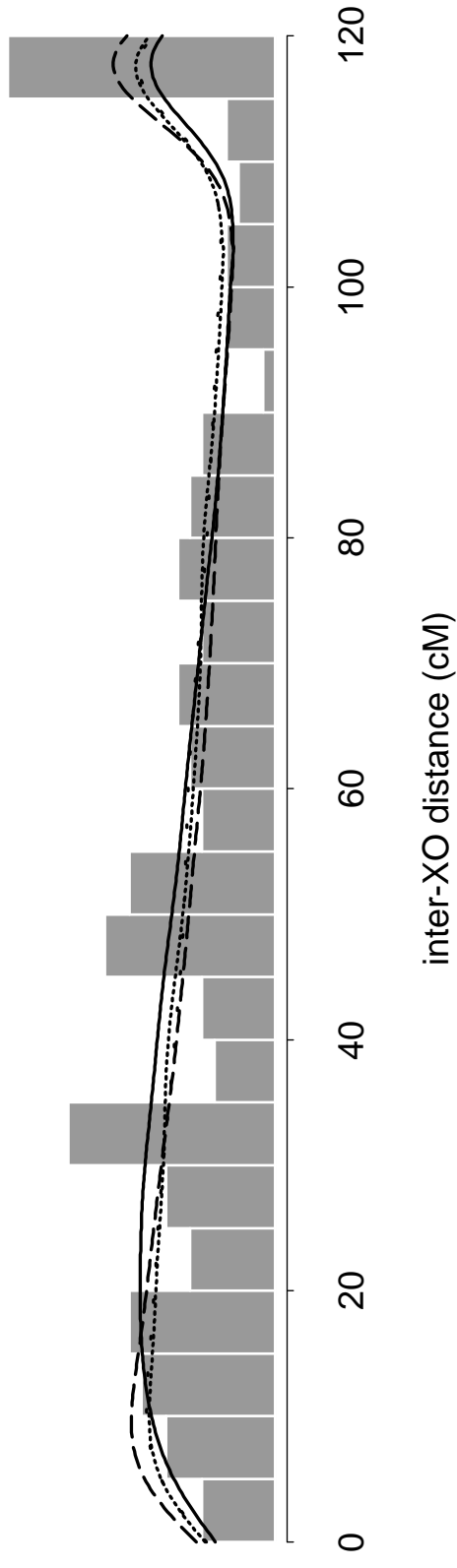
# maternal chromosome 19



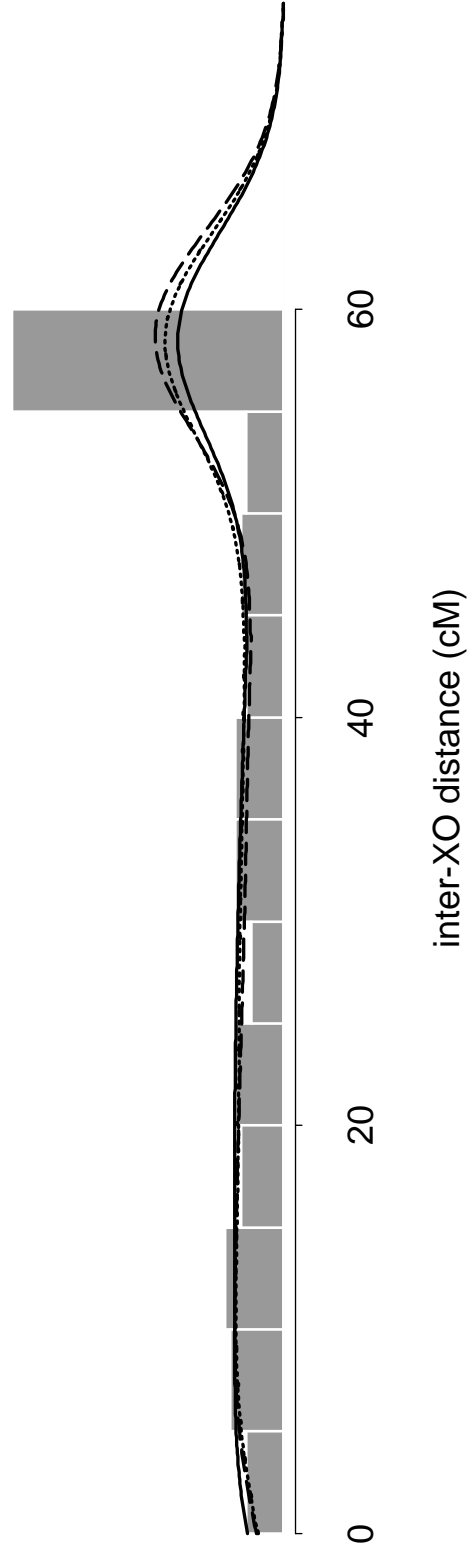
# paternal chromosome 19



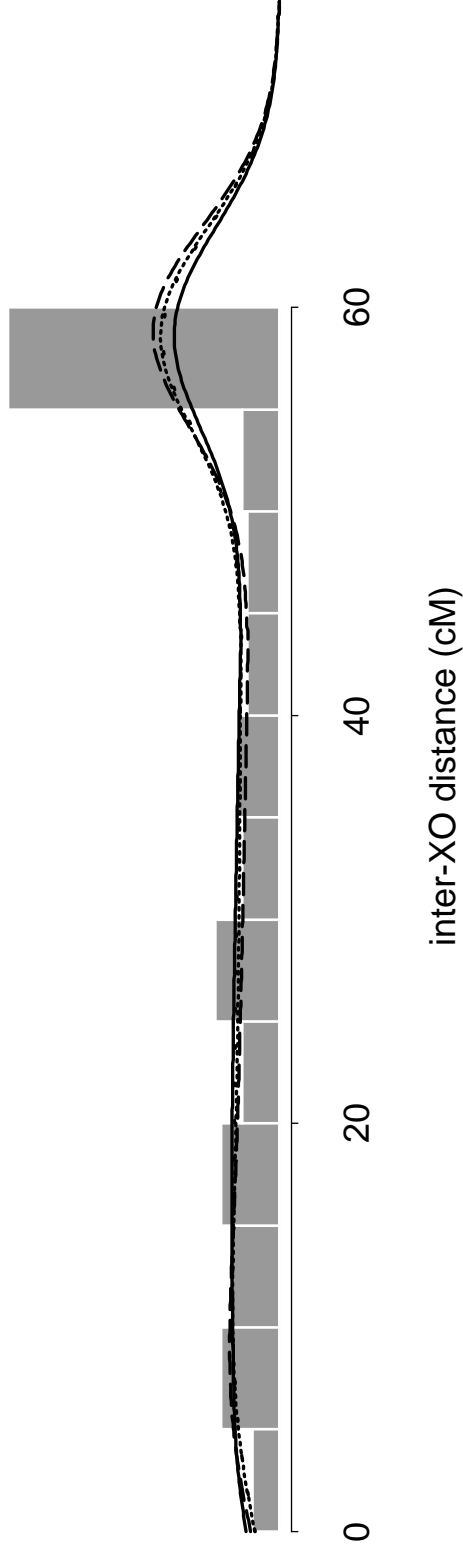
## maternal chromosome 20



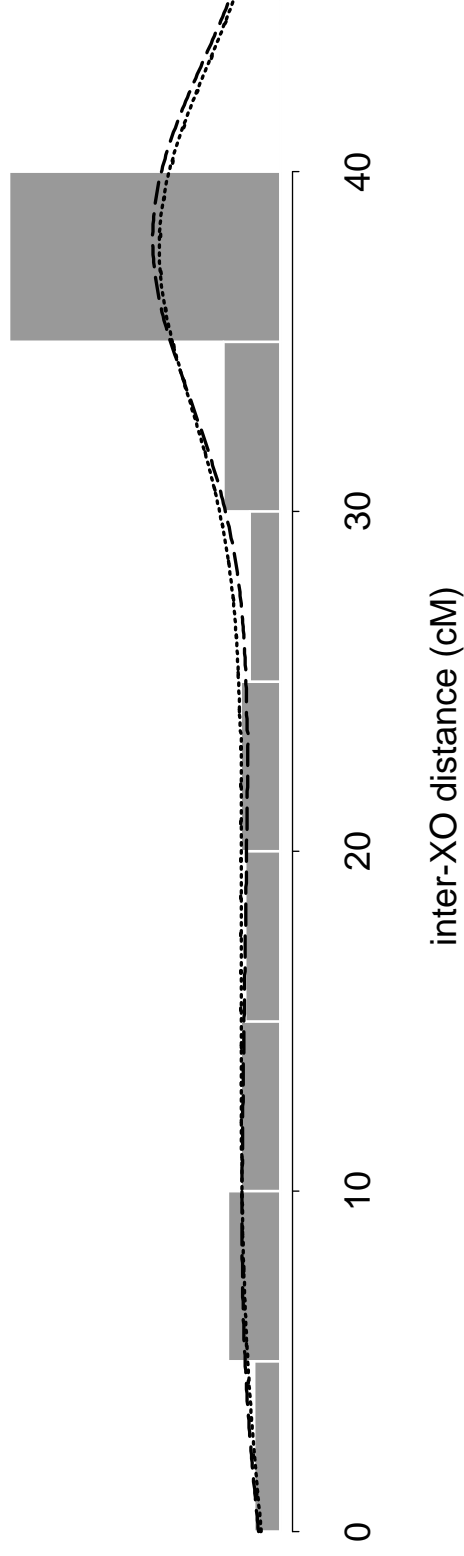
## paternal chromosome 20



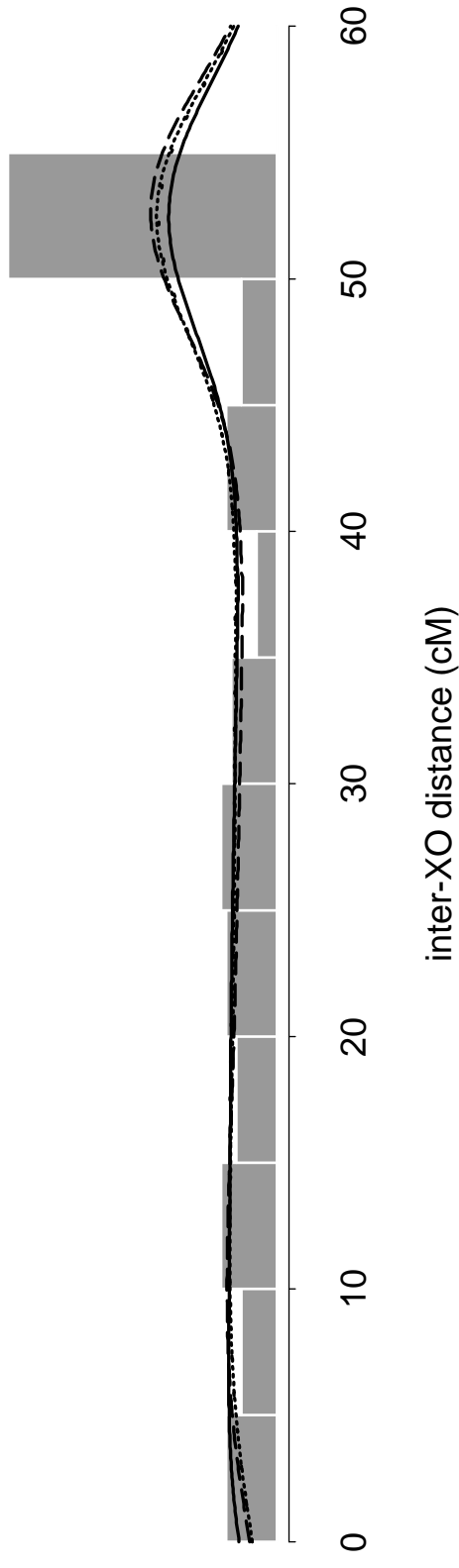
# maternal chromosome 21



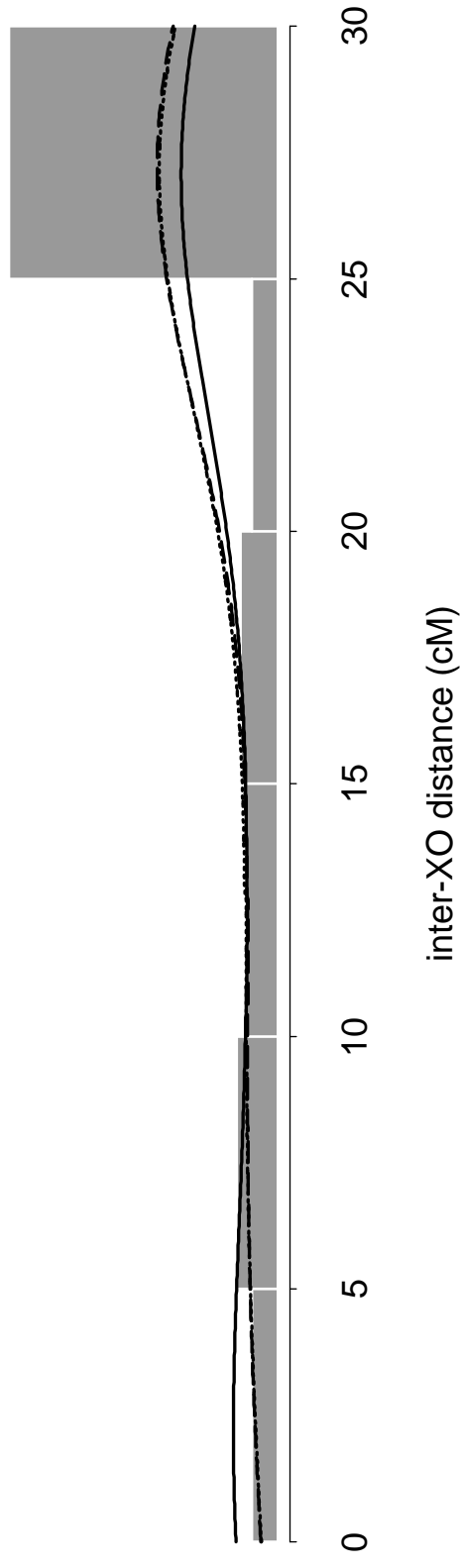
# paternal chromosome 21



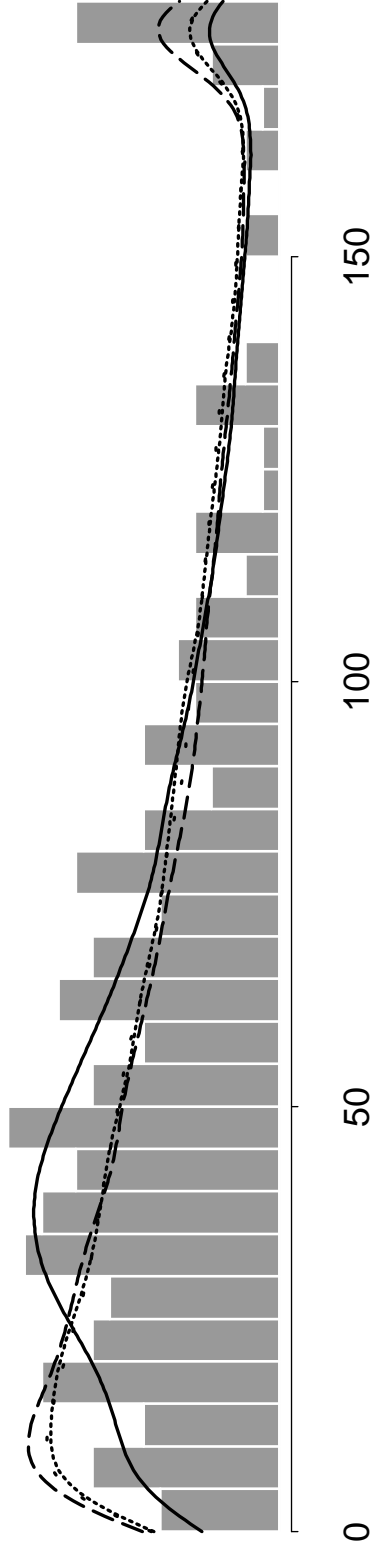
# maternal chromosome 22



# paternal chromosome 22

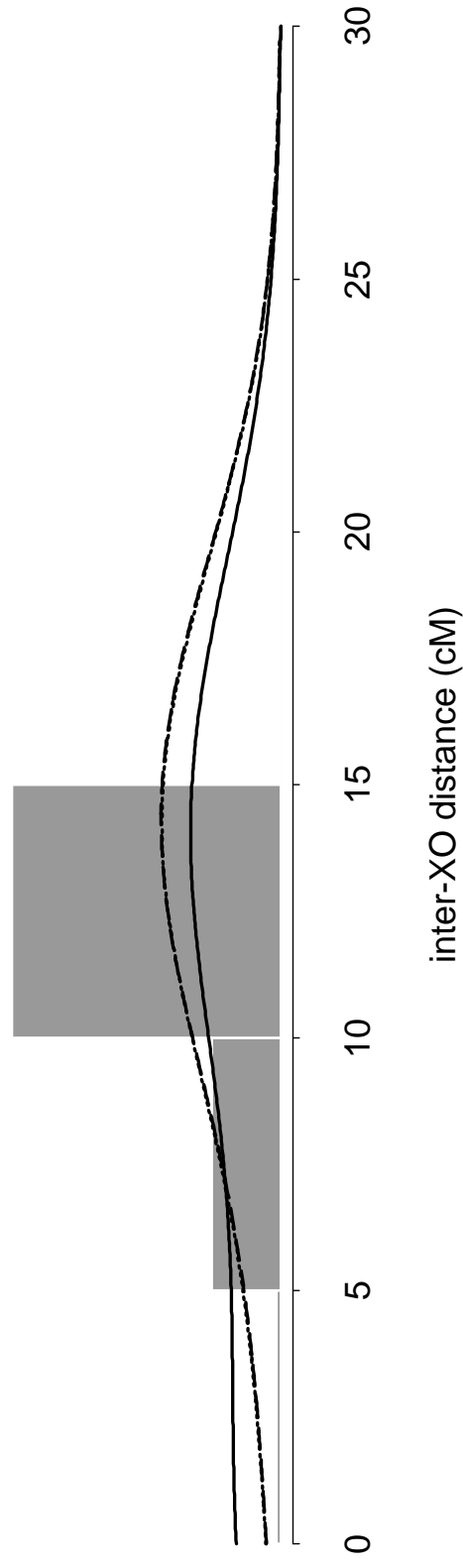


# maternal chromosome 23



inter-XO distance (cM)

# paternal chromosome 23



inter-XO distance (cM)